

ABSTRACT OF THE DISCLOSURE

In a data transmission/reception apparatus 11, a data transfer is performed by a pipeline technique between N processing sections Pd_1 to Pd_N. The data transmission/reception apparatus 11 includes (N-1) or more intermediary sections 21, each having a transmission/reception control section 23 for controlling data transmission/reception and a buffer 27. The intermediary sections 21 interconnect adjoining first and second data processing sections Pd_1 and Pd_2 to allow data obtained through the data process performed by the first data processing section Pd_1 to be transmitted to the second data processing section. A transmission API 35a in the first data processing section Pd_1 transmits data to the second data processing section Pd_2. A reception API 37b in the second data processing section Pd_2 receives the data transmitted from the second data processing section Pd_2.